

Ağ Programlama

Soket Programlama

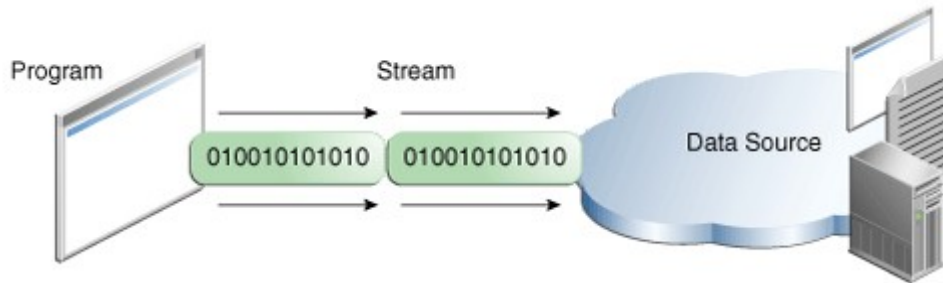
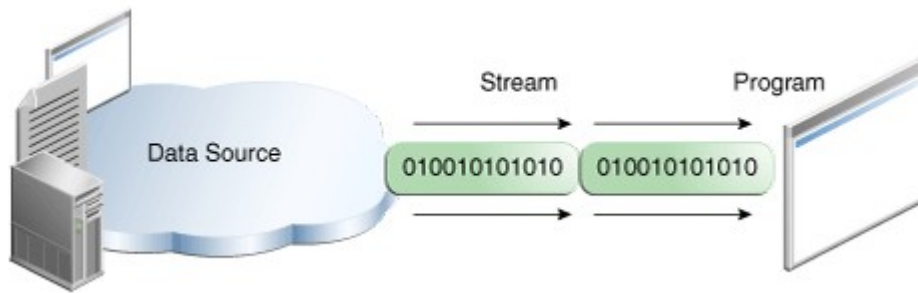


Konular

- ✓ **Stream**
- ✓ **TCP Socketi**
- ✓ **UDP Socketi**

STREAM

- ✓ Bilgi (objects, characters, images, or sounds) diskteki dosyada, ağ üzerinde bir kaynakta, bellekte ya da bir başka programda bulunabilir.
- ✓ Bilginin ardışık olarak taşınması için stream açılır.



java.io

- ✓ Byte Streams
- ✓ Character Streams (unicode character)

Some important Byte stream classes.

Stream class	Description
BufferedInputStream	Used for Buffered Input Stream.
BufferedOutputStream	Used for Buffered Output Stream.
DataInputStream	Contains method for reading java standard datatype
DataOutputStream	An output stream that contain method for writing java standard data type
FileInputStream	Input stream that reads from a file
FileOutputStream	Output stream that write to a file.
InputStream	Abstract class that describe stream input.
OutputStream	Abstract class that describe stream output.
PrintStream	Output Stream that contain <code>print()</code> and <code>println()</code> method

These classes define several key methods. Two most important are

1. `read()` : reads byte of data.
2. `write()` : Writes byte of data.

java.io

- ✓ Byte Streams
- ✓ Character Streams (unicode character)

Some important Charcter stream classes.

Stream class	Description
BufferedReader	Handles buffered input stream.
BufferedWriter	Handles buffered output stream.
FileReader	Input stream that reads from file.
FileWriter	Output stream that writes to file.
InputStreamReader	Input stream that translate byte to character
OutputStreamReader	Output stream that translate character to byte.
PrintWriter	Output Stream that contain <code>print()</code> and <code>println()</code> method.
Reader	Abstract class that define character stream input
Writer	Abstract class that define character stream output

Socket (java.net)

- ✓ İki host arasındaki bağlantıdır.
 - ✓ Socket ile yapılan işlemler:
 - ✓ Uzak makineye bağlantı
 - ✓ Veri alma/gönderme
 - ✓ Bağlantıyı sonlandırma
 - ✓ Bağlantı için port belirleme
 - ✓ İstekler için belirtilen portu dinleme
 - ✓ İstekleri kabul etme

Thread

<http://docs.oracle.com/javase/7/docs/api/java/lang/Thread.html>

http://www.tutorialspoint.com/java/java_multithreading.htm

Kaynaklar

- ✓ www.w3schools.com
- ✓ <http://www.studytonight.com/java/java-io-stream.php>
- http://www.tutorialspoint.com/java/java_multithreading.htm